

LOGGING TOOL INDUCTION COIL FORM

ABSTRACT OF THE DISCLOSURE

The present invention is directed to a logging tool induction coil form having a coating layer, which is easy to form to tight tolerances, bonded to at least a portion of the outer surface of the ceramic hollow cylindrical core. A plurality of parallel circumferential grooves are machined into the coating layer. Since the coating material is easy to machine, the parallel circumferential grooves can be machined to the tight tolerances needed in logging applications at a fraction of the time and cost of machining ceramic-only forms.